

List of Presentations

Wednesday, October 27, 8:30 – 10:00 a.m.

Space Mining: A Russian View

N. Melnikov and O. Nagovitsyn, Russian Academy of Sciences, Kola, Russia

New Space Industries

D. Smitherman, NASA Marshall Space Flight Center, Huntsville, AL

Wednesday, October 27, Lunch

Perspectives on Lunar Helium-3,

H. Schmitt, University of Wisconsin, Madison

Wednesday, October 27, 1:30 – 3:00 p.m.

Prospecting Near-Earth Asteroids from the Ground

K. Reed, Marconi Integrated Systems, San Diego, CA

Radar Reconnaissance of Near-Earth Asteroids

S. Ostro, Jet Propulsion Laboratory, Pasadena, CA

Spacewatch Discovery and Study of Accessible Asteroids

R. McMillan, University of Arizona, Tucson, AZ

SpaceDev and Near Earth Asteroid Prospector

J. Benson (invited) SpaceDev, Steamboat Springs, CO

Asteroid Materials Production

J. Lewis (invited), University of Arizona, Tucson, AZ

Wednesday, October 27, 3:15 – 5:00 p.m.

Financing Space Resource Ventures

T. Forman, Merrill-Lynch, Boulder, CO

Lunar Solar Power and Lunar Resources Development

D. Criswell, University of Houston, Houston, TX

Some Implications of Space Tourism for Space Resource Development

T. Rogers, The Space Transportation Association, Arlington, VA

Economics of Lunar Mineral Exploration

B. Blair, Colorado School of Mines, Golden, CO

Property Rights and Space Resource Development

D. O'Donnell, United Societies in Space, Denver, CO

Thursday, October 28, 8:30 – 10 a.m.

Return to the Moon: A New Strategic Evaluation

P. Lowman, NASA Goddard Space Flight Center, Greenbelt, MD

Lunar Exploration Strategy

K. Joosten, NASA Johnson Space Center, Houston, TX

Space Weathering and the Formation of Lunar Soil

L. Taylor, University of Tennessee, Knoxville, TN

Subsurface Exploration from Lander and Rover Platforms with Seismic Surface Waves
K. Stokoe et al., University of Texas, Austin, TX

Lunar Polar Ice: Methods for Mining the New Resource for Exploration
R. Gustafson, Orbitec, Madison, WI

Safety and Space Resource Extraction
W. Sharp et al., Colorado School of Mines, Golden, CO

Thursday, October 28, 10:15 a.m. – 12:00 noon

Venture Star and Reducing the Cost of Space Transportation
Lockheed Martin, Littlefield, CO

A Commercial/Lunar Resource Exploration Architecture Concept
S. Nozette, Lawrence Livermore National Laboratory, Livermore, CA

Acoustic Shaping: Enabling Technology for a Space-Based Economy
N. Komerath et al., Georgia Tech, Atlanta, GA

Solar Energy Conversion using In Situ Lunar Soil
H. Perko, Colorado State University, Ft. Collins, CO

Thursday, October 28, Lunch

Lunar Prospector Results
A. Binder, Lunar Research Institute, Tucson, AZ

Thursday, October 28, 3:15 – 5:00 p.m.

An Industrial Scale Resource Facility on the Moon
M. Duke, Lunar and Planetary Institute, Houston, TX

Acoustic Shaping in Microgravity: Technology Issues
S. Wanis & N. Komerath, Georgia Tech, Atlanta, GA

Combustion Processes in Space
F. Schowengerdt, Colorado School of Mines, Golden, CO

Self-Replicating Machines
G. Rodriguez

Thursday, October 28, Dinner

Space Development for the Uninitiated
W. Mendell, NASA Johnson Space Center, Houston, TX

Friday, Oct. 29, 10:15 a.m. – 12:00 noon

An Overview of NASA's Current In-Situ Consumable Production (ISCP) Development Activities and Goals
G. Sanders, NASA Johnson Space Center, Houston, TX

How to Make Space Resources into a Respected Discipline
Panel Discussion